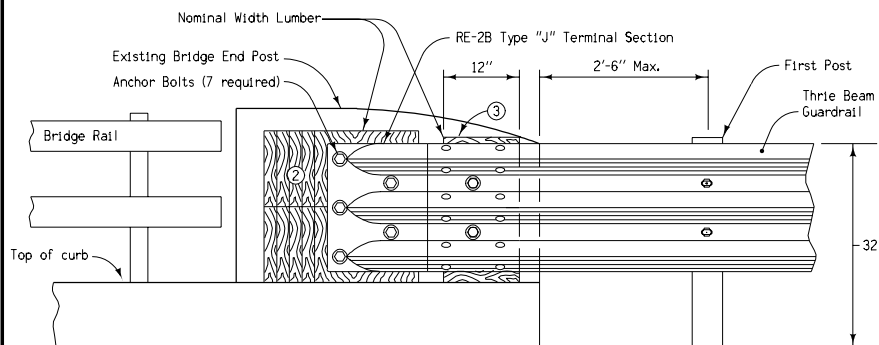
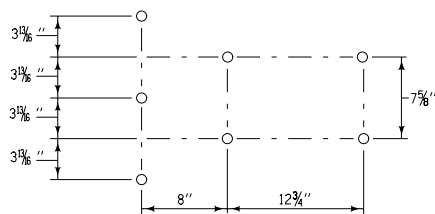


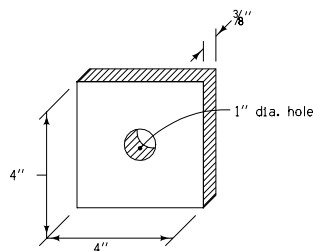
PLAN



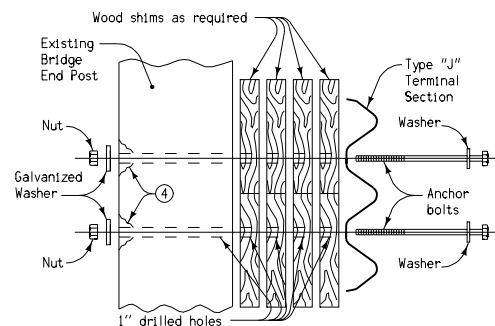
ELEVATION



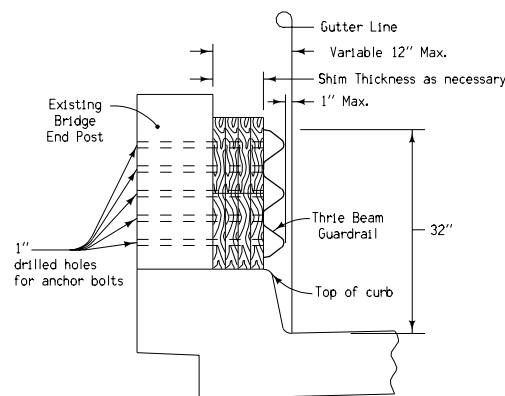
BOLT PATTERN
For RE-2B Type "J" Terminal Section



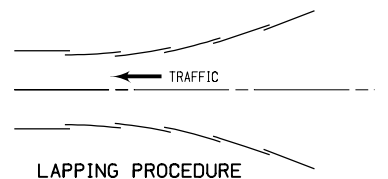
DETAIL OF GALVANIZED
STEEL WASHER



TYPICAL ATTACHMENT DETAIL



TYPICAL SECTION



GENERAL NOTES:

Details shown hereon are for making a connection between approach guardrail and the bridge end post. This type may be used at either end of any bridge (one-way or two-way) having curbs less than 12 inches wide and end post construction as shown.

Refer to other appropriate Standard Road Plans and Detail Project Plans, including Tabulation of Guardrail Installations, for additional installation requirements. Exact details of the installation shall be as directed by the Engineer.

Horizontal and vertical alignment of guardrail in the area immediately adjacent to the bridge shall be adjusted to a smoothly curved line with no abrupt changes.

Anchor bolts shall conform to requirements of ASTM F-1554, Grade 55, threaded full length, and be galvanized. Threads may be chased after galvanizing. Washers shall conform to requirements of ASTM F-436 and be galvanized. Nuts shall conform to requirements of ASTM A-563 DH and be galvanized. These materials shall be galvanized in compliance with ASTM A-153, Class C.

Treated wood shims to offset railing from end post may be required. Shims shall be installed as directed by the Engineer to align the face of rail to within 1 inch of the gutter line. Wood shall be treated in accordance with current Standard and Supplemental Specifications.

The price bid for "Guardrail, End Anchorage, Beam, RE-27B," each, shall be considered full compensation for furnishing all materials listed below and the construction of the end anchorage as detailed hereon.

LIST OF MATERIALS FOR THE RE-27B CONNECTION

- 7 - Approved 7/8" x sufficient length H.S. Hex Bolts.
- 7 - Approved Plain Washers, 15/16", regular.
- 7 - Galvanized Steel Washers (4" x 4" x .4")
- 7 - Approved 7/8" H.S. Hex Nuts.
- 1 - RE-2B Type "J" Terminal Section.

Sufficient treated plank shims, drilled and fitted as shown.

- ① When shim thickness is greater than 2 inch, a 45° taper will be required on the approach side.
- ② Wood shim - (2) 12 inch nominal width x 20 inch minimum length x variable thickness.
- ③ Wood shim - 12 inch nominal width x 22 inch length x variable thickness.
- ④ Area on back face spalled in drilling hole will be grouted before placement of washer for bolt installation. The grout shall consist of equal parts by weight of Portland Cement and concrete sand, mixed with sufficient water to form a paste.

STANDARD ROAD PLAN RE-27B	
REVISION: Change to 6" x 8" post, edit general notes.	REVISION NO. 4
APPROVED BY: <i>William J. Allen</i> DESIGN/METHODS ENGINEER	REVISION DATE 10-02-01
DETAILS OF THRIE BEAM GUARDRAIL BRIDGE CONNECTION	